CLAIMS

1. A pipe joint comprising a first and a second tubular joint member of synthetic resin, a synthetic resin gasket interposed between abutting portions of the joint members and screw means for joining the joint members, the pipe joint being characterized in that the first joint member is provided in an abutting end face thereof with an annular recessed portion having an opening remaining therein with the gasket entirely fitted therein, the second joint member being provided with an annular ridge on an abutting end face thereof, the ridge being fitted in the opening of the recessed portion with the gasket fitted in the recessed portion, an outer surface of the ridge of the second joint member being pressed against an inner surface of the recessed portion of the first joint member with the gasket interposed between the surfaces in intimate contact therewith approximately over the entire surface areas when the pipe joint is properly tightened up, a portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion being then in intimate contact with a portion of the abutting end face of the second joint member positioned radially inwardly of the ridge approximately over the entire surface areas thereof, a portion of the abutting end face of the first joint member positioned

radially outwardly of the recessed portion being then in intimate contact with a portion of the abutting end face of the second joint member positioned radially outwardly of the ridge approximately over the entire surface areas thereof.

2. A pipe joint comprising a first and a second tubular joint member of synthetic resin, and screw means for joining the joint members, the pipe joint being characterized in that the first joint member is provided with an annular recessed portion in an abutting end face thereof, the second joint member being provided with an annular ridge on an abutting end face thereof, the ridge of the second joint member being fitted in the recessed portion of the first joint member, with an outer surface of the ridge in intimate contact with an inner surface of the recessed portion approximately over the entire surface areas when the pipe joint is properly tightened up, a portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion being then in intimate contact with a portion of the abutting end face of the second joint member positioned radially inwardly of the ridge approximately over the entire surface areas thereof, a portion of the abutting end face of the first joint member positioned radially outwardly of the recessed portion being then in intimate contact with a

portion of the abutting end face of the second joint member positioned radially outwardly of the ridge approximately over the entire surface areas thereof.

3. A pipe joint comprising a first and a second tubular joint member of synthetic resin, a synthetic resin gasket interposed between abutting portions of the joint members and screw means for joining the joint members, the pipe joint being characterized in that each of the joint members is provided in an abutting end face thereof with an annular recessed portion for forming a portion for accommodating the gasket therein when the joint members are butted against each other, the gasket being in intimate contact with an inner surface of the recessed portion of the first joint member approximately over the entire area thereof when the pipe joint is properly tightened up, a surface portion of the gasket exposed from the same recessed portion being then in intimate contact with an inner surface of the recessed portion of the second joint member approximately over the entire area thereof, a portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion thereof being then in intimate contact with a portion of the abutting end face of the second joint member positioned radially inwardly of the recessed portion thereof approximately over the entire surface

areas thereof, a portion of the abutting end face of the first joint member positioned radially outwardly of the recessed portion thereof being then in intimate contact with a portion of the abutting end face of the second joint member positioned radially outwardly of the recessed portion thereof approximately over the entire surface areas thereof.

4. A pipe joint according to claim 3 which is characterized in that the portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion thereof axially projects beyond the radially outward portion thereof, the portion of the abutting end face of the second joint member radially inward of the recessed portion thereof axially projecting beyond the radially outward portion thereof.

5. A pipe joint according to claim 3 which is characterized in that the portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion thereof is flush with the bottom surface of the recessed portion thereof, the radially outward portion of the first joint member axially projecting beyond the bottom surface of the recessed portion thereof, the portion of the abutting end face of the second joint member radially inward of the recessed portion thereof axially projecting beyond the bottom

surface of the recessed portion thereof, the radially outward portion of the second joint member being axially recessed from the bottom surface of the recessed portion thereof.

6. A pipe joint according to claim 3 which is characterized in that the portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion thereof is recessed from the bottom surface of the recessed portion thereof, the radially outward portion of the first joint member axially projecting beyond the bottom surface of the recessed portion thereof, the portion of the abutting end face of the second joint member radially inward of the recessed portion thereof axially projecting beyond the bottom surface of the recessed portion thereof, the radially outward portion of the second joint member being axially recessed from the bottom surface of the recessed portion thereof.

7. A pipe joint according to claim 1 or 2 wherein when the pipe joint is manually tightened up, a first gap is present between the portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion and the portion of the abutting end face of the second joint member positioned radially inwardly of the ridge, and a second gap greater than the first gap is

present between the portion of the abutting end face of the first joint member positioned radially outwardly of the recessed portion and the portion of the abutting end face of the second joint member positioned radially outwardly of the ridge.

8. A pipe joint according to any one of claims 3 to 6 wherein when the pipe joint is manually tightened up, a first gap is present between the portion of the abutting end face of the first joint member positioned radially inwardly of the recessed portion thereof and the portion of the abutting end face of the second joint member positioned radially inwardly of the recessed portion thereof, and a second gap greater than the first gap is present between the portion of the abutting end face of the first joint member positioned radially outwardly of the recessed portion thereof and the portion of the abutting end face of the second joint member positioned radially outwardly of the recessed portion thereof.

9. A pipe joint according to any one of claims 1 to 8 wherein each of the joint members is provided at the abutting end face thereof with a flange portion, and the screw means comprises an annular male screw member having a forward end face in bearing contact with the flange portion of one of the joint members, and a cap nut fitted around the other joint member and having a top wall in

bearing contact with the flange portion of said other joint member, the cap nut being screwed on the male screw member.

10. A pipe joint according to claim 9 wherein at least one of a space between the male screw member and the flange portion of said one joint member and a space between the top wall of the cap nut and the flange portion of said other flange member has disposed therein a biasing member for biasing one of the joint members toward the other joint member.

11. A pipe joint according to claim 9 wherein an annular clearance is formed inside the cap nut around the flange portions of the joint members and has an annular spacer disposed therein, and at least one of a space between the cap nut top wall and the spacer and a space between the male screw member and the spacer has provided therein a biasing member for biasing one of the joint members toward the other joint member.

12. A pipe joint according to claim 9 wherein a synthetic resin thrust ring is interposed between the cap nut top wall and the flange portion of the joint member.

13. A pipe joint according to claim 12 wherein the thrust ring has an outside diameter larger than the inside diameter of the cap nut, and the cap nut has an annular recess formed in an inner periphery thereof for

accommodating an outer peripheral edge of the thrust ring.